| <br> | <br>laims |  |
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|      |           |  |

| Applic | ation/ | 'Control | No. |
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10/709,096

Examiner

Junghwa M. Im

Applicant(s)/Patent under Reexamination

MURAYAMA ET AL.

Art Unit

2811

| <b>√</b> | Rejected |
|----------|----------|
| 11       | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
|   | Pastricted                     |

| 2 | Non-Elected  |
|---|--------------|
| _ | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

|          |          |              |  | _            |  |  | ,            |          |  |  |   |              |           |                |               | _            |
|----------|----------|--------------|--|--------------|--|--|--------------|----------|--|--|---|--------------|-----------|----------------|---------------|--------------|
| Cla      | aim      | [            |  | _            |  | Date   |              |          |  |  | 1 | Cla          | aim       |                |               |              |
| Final    | Original | 10/15/05     |  |              |  |  |              |          |  |  |   | Final        | Original  |                |               |              |
| iĒ       |          |              |  |              | _  | _  |              |          |  |  |   | iĪ.          |           |                |               |              |
| <u> </u> | 1        | ÷            | Щ  | _            | _  | _  | _            |          | <u> </u>   | <u> </u>   |   |              | 51        |                |               | <u> </u>     |
| <u> </u> | 2        | 4            | _  |              | ļ  |  | <u> </u>     |          |  | <u> </u>   |   |              | 52        |                |               | -            |
| <u> </u> | 3        | ╙            | _  | _            |  |  | _            |          |  |  |   |              | 53        | _              | _             | -            |
|          | 4        | ₩            |  |              |  | -  |              | -        |  | H  |   |              | 54        | $\blacksquare$ |               | H            |
|          | 5        | ₩            |  |              | ├-   | <del> </del>                                     | _            | $\vdash$ | H  |  |   |              | 55        |                | _             | -            |
|          | 6<br>7   | H            | $\vdash$   | -            | <u> </u>   | -  | _            | -        | -  | ┝  |   |              | 56<br>57  |                | -             | ⊢            |
|          | 8        | ₩            | -  | -            | -  | $\vdash$   |              | ├─       | ├  | -  |   |              | 58        | -              | $\overline{}$ | -            |
| -        | 9        | ╁╂╴          |  | -            | $\vdash$   | ┝  | $\vdash$     | ├-       | ├─   | -  | ŀ |              | 59        |                |               |              |
|          | 10       | ┞╬╴          | -  | -            | $\vdash$   | $\vdash$   | $\vdash$     | -        | ╢  | ├─   |   |              | 60        | _              | $\neg$        | _            |
|          | 11       | <del>ا</del> | -  | -            | ┝  | ┢  | $\vdash$     | ├        | ┝  | ┢  |   |              | 61        | -              |               |              |
| -        | 12       | ┢╌           | -  | -            | -  | $\vdash$   |              | $\vdash$ | <del> </del>                                     |  |   |              | 62        | -              |               |              |
| -        | 13       | 一            | -  |              | $\vdash$   | $\vdash$   |              | $\vdash$ | _  | -  |   |              | 63        |                |               |              |
|          | 14       | $\vdash$     | _  |              |  |  |              |          | _  | -  |   |              | 64        |                | $\overline{}$ | T            |
|          | 15       | H            | $\vdash$   | <del> </del> | <del>                                     </del> |  |              | _        |  | -  |   |              | 65        |                |               |              |
|          | 16       |              | _  |              |  |  | Г            |          |  |  | 1 |              | 66        |                |               |              |
|          | 17       |              | $\vdash$   |              |  |  | <u> </u>     |          |  |  | 1 |              | 67        |                |               |              |
|          | 18       |              |  | -            |  |  |              |          |  |  | 1 |              | 68        |                |               |              |
|          | 19       |              |  |              |  |  |              |          |  | П  | ] |              | 69        |                |               |              |
|          | 20       | <u> </u>     |  |              |  |  |              |          |  |  | ] |              | 70        |                |               |              |
|          | 21       |              |  |              |  |  |              |          |  |  |   |              | 71        |                |               |              |
|          | 22       |              |  |              |  |  |              |          | L  | L.   |   |              | 72        | _              |               | L            |
|          | 23       |              | <u>L</u>   | <u></u>      |  |  |              |          | <u> </u>   | <u> </u>   |   |              | 73        | <u> </u>       |               | _            |
| <u></u>  | 24       |              |  |              |  | _  |              | _        | <u> </u>   | L  | 1 |              | 74        |                |               | <u> </u>     |
| ļ        | 25       | ļ.,          |  |              | <u> </u>   | _  | <u> </u>     |          | ļ  | <u> </u>   | 1 | <u> </u>     | 75        | <u> </u>       |               | <u> </u>     |
|          | 26       | <u> </u>     |  |              |  | <u> </u>   | <u> </u>     | <u> </u> | <u> </u>   | ⊢  | ļ |              | 76        | <u> </u>       |               | L            |
|          | 27       |              | 1  |              |  | ├—   | <u> </u>     | ⊢        | ⊢  | ├-   | - |              | 77        | <u> </u>       |               | ⊢            |
|          | 28       | <u> </u>     | <u> </u>   | -            | <u> </u>   | ├  | _            | <u> </u> | <del> </del> —                                   | ├_   | ł | <b></b> -    | 78<br>79  | _              |               | ├            |
|          | 29       | ├            | -  |              | ⊢  | ⊢  | -            | ├        |  | ⊢  | ł | <b></b> -    | 80        | ├              |               | ╀            |
|          | 30       | ├-           |  |              | ⊢  | ├—   | -            | H        | ⊢  | ┝┈   | ł | <del> </del> | 81        | ├─             |               | ⊢            |
|          | 31<br>32 | ⊢            | H  | ├            | ┼─   | ┝  | $\vdash$     | ┝        | -  | ╁╌   | ł |              | 82        | ┢              |               | ╁╌           |
|          | 33       | ┾            | ╁  | $\vdash$     | $\vdash$   | ├  | ╫            | $\vdash$ | ┢  | ┢╌   | ł | _            | 83        | -              |               | ╁            |
|          | 34       |              | H  | ┢            | -  | $\vdash$   | $\vdash$     | $\vdash$ | <del>                                     </del> | ╁─   | 1 |              | 84        |                |               | 一            |
| -        | 35       | $\vdash$     | ╁  | ┰            | $\vdash$   | t  | <del> </del> | _        | ✝  | $\vdash$   | 1 | <u> </u>     | 85        |                |               | _            |
|          | 36       | ┼            | <del>                                     </del> |              |  | <u> </u>   | ┢            | $\vdash$ | T  | T  | 1 |              | 86        |                |               | ┢            |
|          | 37       |              |  |              | $\vdash$   | <del>                                     </del> | T            | T        | T  | <del>                                     </del> | 1 |              | 87        | Г              |               |              |
|          | 38       | T            | Т  | Г            | T  |  |              |          | Τ  |  | 1 |              | 88        |                | Г             |              |
|          | 39       |              | Г  | Г            |  |  | Π            |          |  |  | 1 |              | 89        |                |               |              |
|          | 40       |              |  | Ŀ            |  |  |              |          |  |  | ] |              | 90        |                |               |              |
|          | 41       |              |  |              |  |  |              |          |  |  |   |              | 91        | _              |               |              |
|          | 42       |              | L  | L            |  | <u>L</u>   | 匚            |          | $oxedsymbol{oxedsymbol{oxedsymbol{eta}}}$        | <u> </u>   | ] |              | 92        |                | L             | L            |
|          | 43       | <u> </u>     | <u> </u>   | L            | _  | _  |              |          |  | <u> </u>   | ] |              | 93        | L              | L             | L            |
|          | 44       | ┞-           | <u>_</u>   | 1_           | <u> </u>   | <u> </u>   | $\vdash$     | _        | <del>                                     </del> | <u> </u>   | Į |              | 94        | <u> </u>       | <u> </u>      | $oxed{\bot}$ |
| <u> </u> | 45       | -            | _  | <u> </u>     | ┞  |  | -            | _        | ↓  | <b>├</b>   | 1 | <u> </u>     | 95        | <u> </u>       | $\vdash$      | $\vdash$     |
|          | 46       | 1            | <u> </u>   | L-           | <u> </u>   | <u> </u>   | $\vdash$     | <u> </u> | $\vdash$   | ├  | Į | <u> </u>     | 96        | <u> </u>       | <u> </u>      | ├-           |
|          | 47       | -            | <del> </del>                                     | -            | $\vdash$   | $\vdash$   | -            | <u> </u> | ├-   | ₩  | ł |              | 97        | ├              | $\vdash$      | $\vdash$     |
| <u> </u> | 48       | $\vdash$     | <u> </u>   | <del> </del> | ├  | <del> </del> —                                   | ⊢            | -        | ⊢  |  | 1 |              | 98        | -              | $\vdash$      | ⊢            |
| -        | 49       | $\vdash$     | $\vdash$   | ├—           | <del> </del>                                     | -  | $\vdash$     | $\vdash$ | ├-   | $\vdash$   | 1 | -            | 99<br>100 |                | <u> </u>      | $\vdash$     |
| L        | 50       | 1            | Ц_   | بــــ        |  | Ц.   | L            |          | <u> </u>   | <u></u>  | J | L            | 1100      | <u> </u>       | L             |              |

| Cla           | im       |  |          |          |  | Date         | ;            |  |              |   |
|---------------|----------|--|----------|----------|--|--------------|--------------|--|--------------|---|
|               |          |  |          |          |  |              |              |  |              |   |
| Final         | Original |  |          |          |  |              |              |  |              |   |
| ij            | Ori      |  |          |          |  |              |              |  |              |   |
|               | 51       |  |          |          |  |              |              |  |              |   |
|               | 51<br>52 |  |          |          |  |              |              |  |              |   |
|               | 53       |  |          |          |  |              |              |  |              |   |
| L             | 54       |  |          |          |  |              |              |  |              |   |
|               | 55       |  |          |          |  |              |              |  |              |   |
| <u> </u>      | 56       |  |          |          |  |              |              |  |              |   |
| <u> </u>      | 57       |  | _        |          |  |              |              |  |              |   |
|               | 58       |  |          |          |  |              |              |  |              |   |
| <u> </u>      | 59       |  | _        |          |  | Щ            |              |  |              |   |
| <u> </u>      | 60       |  |          |          |  | -            |              |  |              |   |
| <u> </u>      | 61       |  |          |          |  |              |              |  |              |   |
| -             | 62       | _  | _        |          | H  |              |              |  | $\dashv$     |   |
| $\vdash$      | 63       | -  |          | $\vdash$ | <u> </u>   |              |              |  |              |   |
| -             | 64       |  |          | H        | <b> </b> -                                       |              |              |  | $\vdash$     |   |
|               | 65<br>66 |  | _        | <b> </b> | $\vdash$   |              |              |  | $\vdash$     |   |
|               | 67       |  |          |          |  | $\vdash$     |              | -  |              |   |
|               | 68       |  |          |          | <del> </del>                                     |              |              |  | $\vdash$     |   |
| <b>-</b>      | 69       |  |          |          | $\vdash$   |              |              |  |              |   |
| -             | 70       | -  |          | $\vdash$ | $\vdash$   |              |              |  |              |   |
|               | 71       |  |          |          | $\vdash$   |              |              |  |              |   |
| \ <del></del> | 72       | _  |          |          |  |              |              |  |              |   |
|               | 73       |  |          | <u> </u> | $\vdash$   |              |              |  |              |   |
|               | 74       |  |          |          |  |              |              |  |              |   |
|               | 75       |  |          |          |  |              |              |  |              |   |
|               | 76       |  |          |          |  |              |              |  |              |   |
|               | 77       |  |          |          |  |              |              |  |              |   |
| L             | 78<br>79 |  |          |          |  |              |              |  | _            |   |
| <b></b>       | 79       |  |          |          |  | $oxed{oxed}$ |              |  |              | _ |
| <u> </u>      | 80       |  |          | _        | L_   | <u> </u>     |              |  |              |   |
|               | 81       |  |          | <u> </u> | _  |              |              |  | _            |   |
|               | 82       |  |          |          |  |              |              |  |              | _ |
|               | 83       |  |          | <u> </u> |  | <u> </u>     | <u> </u>     | <u> </u>   |              |   |
| <u> </u>      | 84       |  |          | ├        | -  |              | _            | <u> </u>   |              | - |
|               | 85       | -  |          | -        | -  | $\vdash$     | _            |  | <del> </del> | _ |
| -             | 86<br>87 | -  | -        | -        | -  |              | <del> </del> | -  | H            | - |
| $\vdash$      | 88       | -  | $\vdash$ |          | <del> </del>                                     | -            |              | H  |              |   |
| -             | 89       |  | -        | -        | $\vdash$   |              | <u> </u>     | $\vdash$   | -            | - |
| -             | 90       |  | _        | $\vdash$ | -  |              |              | $\vdash$   | -            | H |
|               | 91       | -  | -        | <u> </u> | -  |              | $\vdash$     | $\vdash$   | -            | _ |
|               | 92       | <del>                                     </del> | $\vdash$ |          | H  | $\vdash$     |              | <del>                                     </del> | $\vdash$     |   |
| -             | 93       |  | <u> </u> | <u> </u> | <del>                                     </del> | _            |              | $\vdash$   | -            |   |
| <u> </u>      | 94       | <u> </u>   | $\vdash$ | $\vdash$ | $\vdash$   | <u> </u>     |              | $\vdash$   | П            | Т |
|               | 95       |  |          |          |  | $I^-$        |              | Г  | Г            |   |
|               | 96       |  |          |          |  |              |              |  |              |   |
|               | 97       |  |          | Г        | Π  |              |              |  |              |   |
|               | 98       |  |          |          |  |              |              |  |              |   |
|               | 99       |  |          |          |  |              |              |  |              |   |
|               | 100      |  |          |          | Γ  |              |              |  |              |   |

| Cl           | aim                             |  |              |  |  | Date   |  |  |          | $\neg$   |
|--------------|---------------------------------|--|--------------|--|--|--|--|--|----------|----------|
|              |                                 |  |              |  | ī  |  |  |  |          | Н        |
| <del>-</del> | Original                        |  |              |  |  |  |  |  |          |          |
| Final        | igi                             |  |              |  |  |  |  |  |          |          |
| ш.           | ō                               |  |              |  |  |  |  |  |          | - 1      |
|              | 101                             | _  |              |  |  |  |  | -  |          | $\dashv$ |
|              | 101<br>102                      |  |              | $\vdash$   |  |  |  |  |          | Н        |
|              | 103                             |  |              | -  | _  |  | H  |  |          | -        |
|              | 103                             | $\vdash$   |              |  |  | _  | -  |  | -        | $\dashv$ |
|              | 104<br>105                      | Н  | _            | -  | -  |  | -  |  |          | -        |
|              | 106                             | H  | _            | -  | $\vdash$   | -  |  |  |          | $\vdash$ |
|              | 107                             |  |              |  |  | -  |  |  |          | $\vdash$ |
|              | 108                             | <del>                                     </del> |              |  |  | -  |  |  |          | $\dashv$ |
|              | 100                             | $\vdash$   | _            |  | -  |  |  |  |          | $\dashv$ |
|              | 110                             | H  |              | -  | -  | _  | $\vdash$   | -  |          | -        |
|              | 109<br>110<br>111               |  |              |  |  |  |  | -  |          | $\dashv$ |
|              | 117                             | $\vdash$   | -            | -  | H  |  | $\vdash$   | -  |          | $\dashv$ |
|              | 112                             |  |              | $\vdash$   | H  | -  |  | -  |          | $\dashv$ |
|              | 113                             | -  | $\vdash$     | $\vdash$   | $\vdash$   |  | -  |  | H        | H        |
|              | 112<br>113<br>114<br>115        | $\vdash$   |              | $\vdash$   |  | -  | $\vdash$   | H  | -        |          |
|              | 116                             |  |              |  |  | $\vdash$   | <u> </u>   | -  | -        |          |
|              | 117                             |  | -            | $\vdash$   | $\vdash$   | $\vdash$   |  | $\vdash$   |          | $\vdash$ |
|              | 117<br>118<br>119               | $\vdash$   |              | $\vdash$   | -  | -  | $\vdash$   | $\vdash$   | <b>-</b> | Н        |
|              | 110                             | $\vdash$   |              |  | $\vdash$   | $\vdash$   |  | -  |          | Н        |
|              | 120                             |  |              | $\vdash$   |  |  | -  | $\vdash$   |          | Н        |
|              | 120<br>121<br>122<br>123<br>124 | $\vdash$   |              | $\vdash$   | $\vdash$   | $\vdash$   |  |  | H        | Н        |
|              | 122                             | -  | $\vdash$     | ┢  | -  |  | $\vdash$   |  | ├        | $\vdash$ |
|              | 122                             |  | $\vdash$     |  | ├─   | -  | $\vdash$   | -  | -        | Н        |
|              | 124                             |  | -            |  | <del> </del>                                     | -  | -  | <del> </del>                                     | $\vdash$ | Н        |
|              | 125                             |  | ├            |  | $\vdash$   |  | -  |  | ┢        | $\dashv$ |
|              | 125<br>126<br>127               | <del>                                     </del> | ├            | ┢  | $\vdash$   | ┢  | $\vdash$   |  | $\vdash$ | H        |
|              | 127                             | -  | ╌            |  |  | -  |  |  | $\vdash$ | Н        |
|              | 128                             | $\vdash$   | $\vdash$     | ⊢  | -  | -  |  |  | ├─       | Н        |
|              | 128<br>129                      | $\vdash$   | $\vdash$     |  |  |  | ╁  | -  | ┢        | Н        |
|              | 130                             | H  | ├            | <del>                                     </del> |  |  | <del>                                     </del> | -  | $\vdash$ | H        |
|              | 130<br>131                      | -  | $\vdash$     | $\vdash$   |  | -  | <del>                                     </del> |  | H        | Н        |
|              | 132                             |  |              | $\vdash$   | -  | $\vdash$   | <del>                                     </del> | $\vdash$   | -        | $\vdash$ |
|              | 133                             | -  | ┢            | -  |  |  | ├  | -  |          | Н        |
|              | 134                             | -  | H            |  |  | -  | _  |  |          | Н        |
|              | 133<br>134<br>135               |  | ┢            |  | -  | ┢  | <u> </u>   | $\vdash$   |          | Н        |
|              | 136                             |  | $\vdash$     | -  |  | -  | 1  |  | -        | Н        |
|              | 136<br>137                      | H  | <del> </del> | $\vdash$   | <del>                                     </del> | $\vdash$   | $\vdash$   | <del>                                     </del> | ┢        | H        |
|              | 138                             | <del>  -</del>                                   | $\vdash$     | <del>                                     </del> | Н  | $\vdash$   |  | $\vdash$   |          | H        |
|              | 139                             | $\vdash$   | $\vdash$     |  |  |  | $\vdash$   | $\vdash$   |          | Н        |
|              | 140                             | $\vdash$   | İ            |  | H  | 1  | Т  | <u> </u>   | l        | П        |
| -            | 141                             | <del>                                     </del> | i            |  | <u> </u>   | <del>                                     </del> |  |  |          | П        |
|              | 142                             | T  |              |  | <del>                                     </del> | $\vdash$   | T  |  |          |          |
|              | 143                             |  |              | $\vdash$   | Т  | T  |  | $\vdash$   |          | $\vdash$ |
|              | 144                             | <del>                                     </del> | $I^-$        | T-   |  |  | <u> </u>   | Т  |          | $\sqcap$ |
|              | 145                             | $\vdash$   |              | t  | T  | Ι-   | Т  | Т  |          | М        |
|              | 146                             | $\vdash$   |              |  | <del>                                     </del> | İΤ   |  | Т  |          | H        |
|              | 147                             |  |              | $\vdash$   | <del>                                     </del> | H  | t  |  | _        | Н        |
| -            | 148                             | <del>                                     </del> | <u> </u>     | <u> </u>   | $\vdash$   | $\vdash$   | <del>                                     </del> |  |          | Н        |
|              | 149                             | <del>                                     </del> |              | $\vdash$   | _  | 1  | $\vdash$   | <del>                                     </del> |          | H        |
|              | 150                             | $\vdash$   |              | <del>                                     </del> |  | $\vdash$   | <del> </del>                                     | <del>                                     </del> | ┢        | Н        |
|              | 1.100                           | L  | Ц            | Щ  | Ц_   | Ц.,  | ь_   | Щ  | Ц.       | لـــا    |